

2022 Heliophysics Explorer Missions of Opportunity Announcement of Opportunity Program Library Change Log

This document may be found in the 2022 Heliophysics Explorer MO Program Library, at <https://explorers.larc.nasa.gov/HPSMEX22/MO/programlibrary.html>, by selecting “View Change Log”.

Note: If a document is posted out of sequence or is revised, it will be indicated via highlighting in this log.

August 30, 2022: 05_HPExMO22- LSP Information Summary.pdf posted as Program Specific Documents item “5. [*NASA Launch Services Program \(LSP\) Information Summary*](#)”.

August 25, 2022: 18_MRPP_CPS_Candidate_Protection_Strategies-v4.5-20201216.pdf posted as NASA and Federal Documents item “18. [*Candidate Protection Strategies*](#), MRPP.CPS.20201216 Version 4.5”.

August 25, 2022: 17_FAQs for Protecting Spaceborne Assets 13-May-2020.pdf posted as NASA and Federal Documents item “17. [*Frequently Asked Questions for Protecting SMD Spaceborne Assets*](#), May 13, 2020”.

August 25, 2022: 15_MRPP Project Protection Plan Template 12-16-2020.docx posted for Program Specific Documents item “15. [*Project Protection Plan \(PPP\) Template*](#), December 16, 2020”.

August 25, 2022: 04_NASA-DEIA-Strategic-Plan-FY22-FY26---FINAL.pdf posted as Strategic Documents item “4. [*NASA Strategic Plan for Diversity, Equity, Inclusion, and Accessibility, Fiscal Years 2022-26*](#)”.

August 22, 2022: 14_2022-07-15-NASA-STD-1006A-Approved.pdf posted as NASA and Federal Documents item “14. [*Space System Protection Standard*](#), NASA-STD-1006A (replaces NASA-STD-1006 w/Change 1)”.

August 8, 2022: 22f_GuidanceForDSSArchitecturesForClassDMissions-20220803.pdf posted as Program Specific Documents item “22f. [*Guidance for DSS Architectures for Class D Missions*](#)”.

August 1, 2022:
04_DRAFT- HEP22_GuidelinesAndCriteriaForThePhaseAConceptStudy-20220801.pdf posted as Program Specific Documents item “4. [*Guidelines and Criteria for the Phase A Concept Study*](#)”. Note that this is a draft document; the final document will not be posted until Step 2.

July 6, 2022: Program Specific Documents item 22“d. [*TMC Expectations on SMA-related Program Requirements for NASA Class C and Class D Payloads*](#)” is deleted from

the Program Library.

July 1, 2022: 04_DRAFT-HEP22_GuidelinesAndCriteriaForThePhaseAConceptStudy-20220701.pdf posted as Program Specific Documents item “4. [*Guidelines and Criteria for the Phase A Concept Study*](#)”. Note that this is a draft document; the final document will not be posted until Step 2.

June 13, 2022: 16_OCE_51.pdf posted as NASA and Federal Documents item “16. [*NASA Spacecraft Conjunction Assessment and Collision Avoidance Best Practices Handbook*](#), OCE-51”.

June 13, 2022: 15_NIST.SP.800-53r5.pdf posted as NASA and Federal Documents item “15. [*Security and Privacy Controls for Information Systems and Organizations*](#), NIST Special Publication 800-53 Revision 5”.

June 13, 2022: 14_2020-11-05_nasa-std-1006_w-change_1-_approveddocx.pdf posted as NASA and Federal Documents item “14. [*Space System Protection Standard*](#), NASA-STD-1006 w/Change 1”.

June 13, 2022: 13_N_PR_7120_008A_.pdf posted as NASA and Federal Documents item “13. [*NASA Research and Technology Program and Project Management Requirements*](#), NPR 7120.8A w/Change2”.

June 13, 2022: 12_453-UG-002905.pdf posted as NASA and Federal Documents item “12. [*Near Earth Network \(NEN\) Users’ Guide Revision 4*](#)”.

June 13, 2022: 11_20150020926.pdf posted as NASA and Federal Documents item “11. [*NASA Plan for Increasing Access to the Results of Scientific Research*](#)”.

June 13, 2022: 10_N_PR_2200_002E_.pdf posted as NASA and Federal Documents item “10. [*Requirements for Documentation, Approval and Dissemination of Scientific and Technical Information*](#), NPR 2200.2E”.

June 13, 2022: 09_N_PD_2521_001B__main.pdf posted as NASA and Federal Documents item “9. [*Communications and Material Review*](#), NPD 2521.1B”.

June 13, 2022: 08_N_PR_8705_004A_.pdf posted as NASA and Federal Documents item “8. [*Risk Classification for NASA Payloads*](#), NPR 8705.4A”.

June 13, 2022: 07_N_PR_8715_003D_.pdf posted as NASA and Federal Documents item “7. [*NASA General Safety Program Requirements*](#), NPR 8715.3D”.

June 13, 2022: 06_nasa-std-871914c.pdf posted as NASA and Federal Documents item “6. [*NASA Process for Limiting Orbital Debris*](#), NASA STD 8719.14C”.

June 13, 2022: 05_N_PR_8715_006B_.pdf posted as NASA and Federal Documents item

“5. [NASA Procedural Requirements for Limiting Orbital Debris](#), NPR 8715.6B”.

June 13, 2022: “04_NASA_SystemsEngineeringHandbookRev2.pdf” posted as NASA and Federal Documents item “4. [NASA Systems Engineering Handbook](#), NASA/SP-2016-6105 Rev 2”.

June 13, 2022: 03_WBS_Handbook.docx posted as NASA and Federal Documents item “3. [NASA WBS Handbook](#), NASA/SP-20210023927”.

June 13, 2022: 02_N_PR_7123_001C_.pdf posted as NASA and Federal Documents item “2. [NASA Systems Engineering Processes and Requirements](#), NPR 7123.1C,”.

June 13, 2022: 01_N_PR_7120_005F_.pdf posted as NASA and Federal Documents item “1. [NASA Space Flight Program and Project Management Requirements](#), NPR 7120.5E”.

June 13, 2022: Items posted as Program Specific Documents item “22. Class D Documents”.

June 13, 2022: 22a_SMD_Class_D_Policy.pdf posted as Program Specific Documents item 22“a. [NASA Science Mission Directorate \(SMD\) Class-D Tailoring/Streamlining Decision Memorandum](#)”.

June 13, 2022: 22b_Zurbuchen_Robinson_ClassD_TownHall-FINAL_01032018.pdf posted as Program Specific Documents item 22“b. [Science Mission Directorate Class D Town Hall Presentation](#)”.

June 13, 2022: 22c_TROPICSSignedProjectPlan-July20173-APPROVEDFORPUBLICRELEASE-noSigs.pdf posted as Program Specific Documents item 22“c. [TROPICS Project Plan](#)”.

June 13, 2022: 22d_TMC_ClassC_ClassDPayloads_final.pdf posted as Program Specific Documents item 22“d. [TMC Expectations on SMA-related Program Requirements for NASA Class C and Class D Payloads](#)”.

June 13, 2022: 22e_Cat3_Class3_under150M.pdf posted as Program Specific Documents item 22“e. [Guidance and Expectations for Small Category 3, Risk Classification D \(Cat3/ClassD\) Space Flight with Life-Cycle Cost under \\$150M](#)”.

June 13, 2022: 21_CUI_Portion_Marking_Sample.pdf posted as Program Specific Documents item “21. [CUI Portion Marking Sample](#)”

June 13, 2022: 20_Scientific Information policy SPD-41.pdf posted as Program Specific Documents item “20. [Scientific Information policy for the Science Mission Directorate](#), SPD-41”.

June 13, 2022: 19_SPD-29 Policy and Requirements for SMD External Web sites.pdf posted as Program Specific Documents item “19. [*Policy and Requirements for SMD External Web sites*](#), SPD-29”.

June 13, 2022: 18_SPD-26B-Signed-TAGGED.pdf posted as Program Specific Documents item “18. [*Policy and Requirements for SMD Communications for Flight Missions*](#), SPD-26B”.

June 13, 2022: 17_2021_nasa_new_start_inflation_index_for_fy22_final.xlsx posted as Program Specific Documents item “17. [*NASA New Start Inflation Index*](#)”.

June 13, 2022: 16_Budget_Summary_Form.docx posted as Program Specific Documents item “16. [*Heliophysics Explorers Budget Summary, Exhibit A*](#)”.

June 13, 2022: Placeholder posted for Program Specific Documents item “15. *Project Protection Plan (PPP) Template*”.

June 13, 2022: 14A_ModelContractDraftPhasesB-F_ForProfit.pdf and 14B_ModelContractDraftPhasesB-F_NonProfit.pdf posted as Program Specific Documents items “14. *Draft Model Contract for Phases B/C/D/E*
a. [*Model Contract Draft Phases B-F, For Profit*](#)
b. [*Model Contract Draft Phases B-F, Non Profit*](#)” respectively.

June 13, 2022: 13_SPD-19_Pi-ledmissions_70JCL.pdf posted as Program Specific Documents item “13. [*Meeting the 70% JCL Requirement in PI-led Missions*](#), SPD-19”.

June 13, 2022: 12_2022-Helio-AO-Tables_13May2022.xlsx posted as Program Specific Documents item “12. [*Microsoft Excel version of the template tables in the AO*](#):

Table B1: Example Science Traceability Matrix

Table B2: Example Mission Traceability Matrix

Table B3a: Total Mission Cost RY\$ Profile Template [1-Step Selection or Step 2 only]

Table B3b: Total Mission Cost FY\$ Profile Template

Table B5: Master Equipment List”.

June 13, 2022: 11_SMD_Mission_Extension.pdf posted as Program Specific Documents item “11. [*SMD Mission Extension Paradigm*](#)”.

June 13, 2022: Items posted as Program Specific Documents item “10. TRL 6 Documents”.

June 13, 2022: 10a_TRL_Examples.pdf posted as Program Specific Documents item 10“a. [*TRL 6 Examples*](#)”.

June 13, 2022: 10b_TRL-example-Ver02.pdf posted as Program Specific Documents item 10“b. [*An Example of Demonstrating Systems Level TRL*](#)”.

June 13, 2022: 10c_Common-causes-TRL-Weaknesses-Ver03.080118.pdf posted as Program Specific Documents item 10“c. [Assessment of TRL in AO-Based Evaluations and Common Causes of Major TRL Weaknesses](#)”.

June 13, 2022: 09_SPD-31 Student Collaboration - May 2018.pdf posted as Program Specific Documents item “9. [SMD Policy Document on Student Collaboration](#), SPD-31”.

June 13, 2022: “08_SCaN-MOCS-0001-Rev _4__Final.pdf” posted as Program Specific Documents item “8. [Space Communications and Navigation \(SCaN\) Mission Operations and Communications Services \(MOCS\)](#)”.

June 13, 2022: Links posted as Program Specific Documents items “7. *Information on International Space Station Resources*

- a. [International Space Station Capabilities and Payload Accommodations](#)
- b. [Earth and Space Science Accommodations on ISS](#)”

June 13, 2022: Proposer_Requested_ISS_Resource_Table_v5_March_2019.docx posted as Program Specific Documents item 7”c. [Proposer Requested ISS Resource Plan](#)”.

June 13, 2022: Items posted as Program Specific Documents items “6. *Rideshare Documents*”

June 13, 2022: 6a_SMD SPA RUG with DNH_HPDP_SMEXMO2022_Final.pdf posted as Program Specific Documents item 6“a. [NASA Science Mission Directorate \(SMD\) Launch Vehicle Secondary Payload Adapter Rideshare Users Guide with Do No Harm \(2021 SMD SPA RUG with DNH\)](#)”.

June 13, 2022: 6b_2022-May01 RS Accommodation worksheet HPDP_SMEXMO2022.xlsx posted as Program Specific Documents item 6“b. [Rideshare Accommodations Worksheet Template](#)”.

June 13, 2022: 6c_SMD_Rideshare_Policy_SPD-32_Rev_2_Dec_2020_Final.pdf posted as Program Specific Documents item 6“c. [NASA Science Mission Directorate Rideshare Policy SPD-32 Rev 2 Dec 2020 Final](#), SPD-32, Rev 2 December 1, 2020”.

June 13, 2022: Placeholder posted for Program Specific Documents item “5. [NASA Launch Services Program \(LSP\) Information Summary](#)”.

June 13, 2022: Placeholder posted for Program Specific Documents item “4. *Guidelines and Criteria for the Phase A Concept Study*”.

June 13, 2022: 03_03_SMD_Class_D_MAR_(OSMA_Final)_04-01-21_SMD_Final_rev2.pdf posted as Program Specific Documents item “3. [Science](#)

Mission Directorate Policy: SMD Standard Mission Assurance Requirements for Payload Classification D, SPD-39”.

June 13, 2022: 02_Explorers Program Plan signed.pdf posted as Program Specific Documents item “2. *Explorers Program Plan*, EXP-PLAN-001, Revision C”.

June 13, 2022: 01_2014_HelioRoadmap_Final_Reduced.pdf posted as Program Specific Documents item “1. *Our Dynamic Space Environment: Heliophysics Science and Technology Roadmap for 2014-2033*”.

June 13, 2022: Link to 2013 Heliophysics Decadal Survey posted as Strategic Documents item “3. The National Research Council 2013 Heliophysics Decadal Survey, *Solar and Space Physics, A Science for a Technological Society (2013)*, may be accessed at <https://www.nap.edu/catalog/13060/solar-and-space-physics-a-science-for-a-technological-society>.”

June 13, 2022: 02_2020-2024 Science.pdf posted as Strategic Documents item “2. *Science 2020-2024: A Vision of Scientific Excellence*”.

June 13, 2022: 01_N_PD_1001_000D.pdf posted as Strategic Documents item “1. *2022 NASA Strategic Plan*, NPD 1001.0D”.